1410.19 Data Exchange Gateway
Issued: October 5, 2001

SUBJECT: Data Exchange Gateway

APPLICATION: Executive Branch Departments and Sub-units

PURPOSE: To standardize a point of entry gateway and method for data file transfer to enterprise level mainframe hosts housed at and managed by the Michigan Information Processing Center (MIPC).

CONTACT AGENCY: Department of Information Technology (DIT) - Standards Division.

TELEPHONE: 517/373-7326

FAX: 517/335-2355

SUMMARY: This procedure establishes the State of Michigan Data Exchange Gateway [DEG] service (currently supported by the TANDEM Model K2004 Operating System [Revision D45.1] (now Compaq)) as the exclusive entry point for files transferred electronically to MIPC main frame hosts.
The applicable transport mechanisms and protocols include:
SNA, X-COM over SNA, TCP/IP (FTP), ASYNC, BI-SYNC, LU0, LU6.2, 3770, RJE2780, RJE3780, X-MODEM, Y-MODEM, Z-MODEM, MQ Series, MQ, and X.25.
Applicable international standard message transport protocols include X.400, X.435 (Pedi), and X.12.
Applicable RFC's include RFC1006; ISO Transport Service on top of the TCP Version: 3

APPLICABLE FORMS: None.

PROCEDURE:

General Information:
- The objectives of the Data Exchange Gateway standard are to:
- Support the electronic file transfer needs of State of Michigan Agencies and their business partners for transferring data as input to batch processes on MIPC mainframe hosts.
- Promote safe virus free electronic file transfer from State of Michigan business partners and other external entities.
- Encourage reduction in transfer of and handling of data files by transport of physical media.
- Provide for rapid synchronization of variable data from multiple outside sources.
- Enhance security profile of enterprise hosts and applications.
- Provide a single point of entry and method for data file transfer into the State of Michigan Intranet bound for MIPC mainframe hosts.

Benefits expected:
- Increased security.
- Reduction of costs.
- Increased efficiency.
- Reliable and rapid exchange of data.
- Verifiable transfer of data files.

- Retransmission of messages without requiring source host reprocessing.
- Simplified perimeter firewall rules base administration.
- Reduction in exchange of paper documents.

Applicability:

Conditions of Application:
This standard is applicable to the Extra-net (any State of Michigan to business partner Internet tunneled or direct connection) where one connecting host is outside of the State of Michigan's network and the internal destination host is on any of the MIPC mainframe production platforms. Specifically this standard is applicable to files designated for batch processing on MIPC hosts.

This standard does not cover network file transfer internal to the State of Michigan LMAN or SOM-WAN, ad hoc updates from e-Michigan Web Applications, telnet or SSL enabled applications from the Internet.

Implementation Considerations:
Agencies must coordinate their file transfer requirements with MIPC operations and Telecom for naming, mailboxes, connection locations and standards in order to take advantage of the added security provided through the use of the Data Exchange Gateway platform.

Maintenance:

Agency: Any and all projects, consulting requests, Equipment and Software acquisition requests, or ITB's relating to Data Exchange Gateway (DEG) will be subject to review for compliance with this standard by the Standards Division, (DIT).

DIT: The Standards and Policy Review Board (SPRB) will review this standard on a continuing basis and make recommendations to the State Chief Information Officer. An appropriate group of staff, representing a wide-range of state agencies, will review and possibly revise these standards and guidelines as often as needed.

The Office of Purchasing shall not approve any data exchange gateway acquisition or purchase request without confirmation from the Standards Division of BSP that such request is in compliance with the standard.

Exceptions from this standard for reasons other than those outlined above will be made through the exception handling process described in the Exception Process Template.

* * *